Ada Morse

Personal Data

Address: 5 Pine Place, Burlington VT, 05401
Phone: +1 (802) 349-0686
email: ada.morse@uvm.edu
website: anmorse.com

Summary of Qualifications

- Extensive experience developing and analyzing mathematical models for DNA nanostructure self-assembly funded by NASA and the National Science Foundation.
- Graduate training in complex systems/data science including machine learning, large datasets, and network analysis.
- Member and leader of interdisciplinary teams of researchers from institutions including UVM, NYU, CalTech, and St. Michael's College.

Experience

2016-2017 | NASA - Vermont Space Grant Consortium
Graduate Research Assistant: DNA Nanostructure Self-Assembly

- funding won in a nationally-judged grant competition
- published book chapter, paper in review
- invited to speak at national and regional conferences

Summers 2015-2017 | St. Michael's College
Researcher: DNA Nanostructure Self-Assembly

- lead research teams in 2016 and 2017, managing project design and collaborative workflow over several years
- delivered multiple technical reports to labs and produced open source prototyping software
- one paper published, one in review

2014-2015, 2017-2018 | Graduate Teaching Assistant at the University of Vermont

Education

2018 (exp.) Ph.D. Mathematical Sciences, **University of Vermont**

2014 M.A. Mathematics, *with distinction*, **SUNY Potsdam**

2014 B.A. Mathematics, B.M. Performance, *summa cum laude*, **SUNY Potsdam**

Technical Skills

Languages: Python/SciPy, MatLab, HTML/CSS, SQL
Tools and environments: scikit-learn, pandas, git, linux
Certificates: Data Scientist with Python (DataCamp, 2017)